

CLAIMS:

1. A method, comprising:
receiving a first request for a connection from a requesting agent, said first request
5 having a quality of service parameter;
sending a second request for one of a plurality of network addresses based on said
quality of service parameter;
receiving a network address in accordance with said second request; and
sending said network address to said requesting agent to establish said connection
10 in accordance with said first request.
2. The method of claim 1, wherein each network address from said plurality of
network addresses comprises a network address for a different network.
- 15 3. The method of claim 1, wherein a first network address from said plurality of
network addresses comprises a network address for a private network, and a second
network address from said plurality of network addresses comprises a network address
for a public network.
- 20 4. The method of claim 3, wherein said connection comprises a multimedia
connection, and said network address comprises a first network address.

5. The method of claim 4, wherein said multimedia connection comprises one of a voice connection, video connection and audio connection.

6. The method of claim 3, wherein said connection comprises a data connection, and
5 said network address comprises a second network address.

7. The method of claim 1, wherein said sending said second request comprises:
retrieving said quality of service parameter from said first request;
sending said second request for a first network address if said quality of service
10 parameter indicates a multimedia connection; and
sending said second request for a second network address if said quality of service
parameter indicates a data connection.

8. The method of claim 1, wherein said second request is a dynamic host
15 configuration protocol (DHCP) request.

9. The method of claim 8, wherein said sending said second request comprises:
sending said dynamic host configuration protocol request to a DHCP server; and
receiving said network address from said DHCP server.

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10. An apparatus, comprising:

a media access controller (MAC) having a plurality of MAC addresses;

a requesting agent to connect to said MAC, said requesting agent to send a first request for a network address;

5 a driver module to connect to said MAC and said requesting agent, said driver module to receive said first request and determine whether said first request is for one of a multimedia connection or data connection, said driver module to instruct said MAC to send a second request for a first network address using a first MAC address if said first request is for a multimedia connection, and to send a second request for a second network
10 address using a second MAC address if said first request is for a data connection.

11. The apparatus of claim 10, wherein said driver module sends said first or second network address to said requesting agent to establish said connection in accordance with said first request.

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12. The apparatus of claim 10, wherein said requesting agent comprises part of a multimedia module.

13. The apparatus of claim 12, wherein said multimedia module comprises a
20 multimedia terminal adapter and analog telephone.

14. The apparatus of claim 12, wherein said multimedia module comprises at least one of a packet telephone, video equipment and audio equipment.

15. The apparatus of claim 10, wherein said requesting agent comprises part of a data module.

5 16. The apparatus of claim 15, wherein said data module comprises one of a computer, server and workstation.

17. The apparatus of claim 10, further comprising a dynamic host configuration protocol (DHCP) server to connect to said MAC, said DHCP server to receive said
10 second request, retrieve one of said first network address and second network address from a DHCP table, and send said retrieved network address to said MAC.

18. An article comprising:

a storage medium;

15 said storage medium including stored instructions that, when executed by a processor, result in receiving a first request for a connection from a requesting agent, said first request having a quality of service parameter, sending a second request for one of a plurality of network addresses based on said quality of service parameter, receiving a network address in accordance with said second request, and sending said network
20 address to said requesting agent to establish said connection in accordance with said first request.

19. The article of claim 18, wherein the stored instructions, when executed by a processor, further result in sending said second request by retrieving said quality of service parameter from said first request, sending said second request for a first network address if said quality of service parameter indicates a multimedia connection, and
5 sending said second request for a second network address if said quality of service parameter indicates a data connection.

20. The article of claim 18, wherein the stored instructions, when executed by a processor, further result in sending said second request by sending a dynamic host
10 configuration protocol (DHCP) to a DHCP server, and receiving said network address from said DHCP server.